

Docket: 70826(US03)

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Van Sickle et al.

Patent No.: 6,800,771 B2

Issued: October 5, 2004

Serial No.: 10/654,164

Group Art Unit: 1751

Filed: September 03, 2003

Examiner: Gregory R. Delcotto

For: STABILIZATION OF AMIDO ACIDS WITH ANTIOXIDANTS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR RECONSIDERATION**  
**FOR CERTIFICATE OF CORRECTION UNDER 37 CFR 1.322**

Applicants submitted a Request for Certificate of Correction on November 12, 2004. Therein, Applicants noted errors that were not due to mistakes by Patentees. The listed errors included a notation at Column 15, line 40, where the word "comprising" was omitted from Claim 1.

The Office issued a Certificate of Correction, but denied Applicants' request as it related to Column 15, line 40. According to communication from the Office, "column 15, line 40 is printed in accordance with the record." Applicants respectfully disagree.

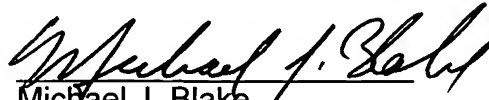
The Notice of Allowability included an Examiner's Amendment in which the Examiner amended line 3 of Claim 13 (now Claim 1) by inserting the phrase "composition comprising an effective stabilizing amount of an antioxidant and an amino acid" after the word "acid." (A copy of the Notice, including the Examiner's Amendment, is attached hereto.) When printed, issued Claim 1 included the foregoing phrase without the word "comprising." Thus, the record clearly reflects that Applicants' request was in order and consistent with the amendment entered by the Examiner.

In accord with the foregoing, a new Certificate of Correction is submitted for the above-identified patent. As noted, the correction is based on a mistake due to printing and is not a mistake by the patentees.

Attached in duplicate is Form PTO/SB/44. Please return one copy when the Certificate of Correction has been approved.

Respectfully submitted,

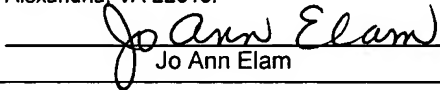
Eastman Chemical Company  
P.O. Box 511  
Kingsport, Tennessee 37662  
Phone: (423) 229-1793  
FAX: (423) 229-1239

  
Michael J. Blake  
Registration No. 37,096

March 23, 2005  
Date

CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)

I hereby certify that this paper (along with any paper(s) referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313.

  
Jo Ann Elam

March 24, 2005  
Date

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO : 6,800,771 B2

DATED : October 5, 2004

INVENTOR(S) : Van Sickle et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Correction(s)**

Column 15, line 40, after "composition" insert ---comprising---

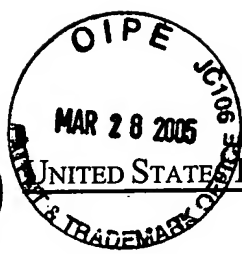
## MAILING ADDRESS OF SENDER:

Michael J. Blake  
Eastman Chemical Company  
P.O. Box 511  
Kingsport, TN 37662

PATENT NO. 6,800,771 B2

No. of additional copies





UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
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# NOTICE OF ALLOWANCE AND FEE(S) DUE RECEIVED

7590

04/13/2004

Michael J. Blake  
Eastman Chemical Company  
P.O. Box 511  
Kingsport, TN 37662-5075

APR 30 2004

EASTMAN CHEMICAL COMPANY  
LEGAL DEPARTMENT

EXAMINER

DELCOTTO, GREGORY R

ART UNIT

PAPER NUMBER

1751

DATE MAILED: 04/13/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/654,164	09/03/2003	Dale Elbert Van Sickle	70826	4315

TITLE OF INVENTION: STABILIZATION OF AMIDO ACIDS WITH ANTIOXIDANTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	07/13/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

## HOW TO REPLY TO THIS NOTICE:

### I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status.  
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590

04/13/2004

Michael J. Blake  
 Eastman Chemical Company  
 P.O. Box 511  
 Kingsport, TN 37662-5075

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/654,164	09/03/2003	Dale Elbert Van Sickle	70826	4315

TITLE OF INVENTION: STABILIZATION OF AMIDO ACIDS WITH ANTIOXIDANTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	07/13/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
DELICOTTO, GREGORY R	1751	554-068000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1	_____
2	_____
3	_____

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☐ corporation or other private group entity ☐ government

## 4a. The following fee(s) are enclosed:

- ☐ Issue Fee  
☐ Publication Fee  
☐ Advance Order - # of Copies \_\_\_\_\_

## 4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

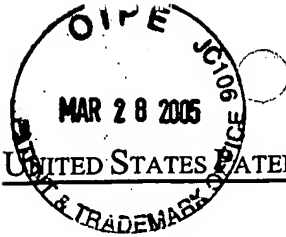
(Date)

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMIT THIS FORM WITH FEE(S)



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United States Patent and Trademark Office  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/654,164	09/03/2003	Dale Elbert Van Sickle	70826	4315

7590 04/13/2004

Michael J. Blake  
Eastman Chemical Company  
P.O. Box 511  
Kingsport, TN 37662-5075

EXAMINER

DELCOTTO, GREGORY R

ART UNIT	PAPER NUMBER
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1751

DATE MAILED: 04/13/2004

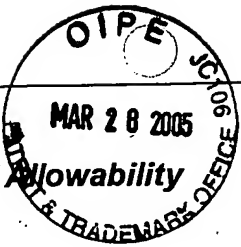
**Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**  
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



# Notice of Allowability

Application No.

10/654,164

Examiner

Gregory R. Del Cotto

Applicant(s)

VAN SICKLE ET AL

Art Unit

1751

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_\_.
2. ☒ The allowed claim(s) is/are 13-16 renumbered 1-4.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

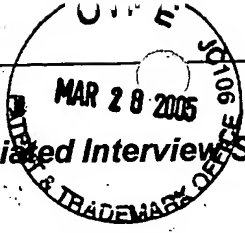
5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 9/3/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 4/2/04.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
Gregory R. Del Cotto  
Primary Examiner  
Art Unit: 1751



**Examiner-Initiated Interview Summary**

Application No.

10/654,164

Applicant(s)

VAN SICKLE ET AL

Examiner

Gregory R. Del Cotto

Art Unit

1751

**All Participants:**

(1) Gregory R. Del Cotto.

(2) Michael Blake.

**Status of Application:** \_\_\_\_\_

(3) \_\_\_\_\_

(4) \_\_\_\_\_

**Date of Interview:** 1 April 2004

**Time:** 2:00 PM

**Type of Interview:**

- ☒ Telephonic  
☐ Video Conference  
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

**Exhibit Shown or Demonstrated:** ☐ Yes ☒ No  
If Yes, provide a brief description:

**Part I.**

**Rejection(s) discussed:**

*None*

**Claims discussed:**

*All*

**Prior art documents discussed:**

*WO 95/07883, Knowlton et al (US 5,712,239)*

**Part II.**

**SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:**

*Applicant agreed to make the changes as indicated in the attached Examiner's Amendment.*

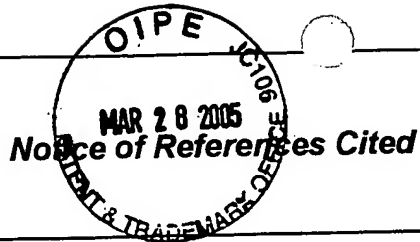
**Part III.**

- ☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.
- ☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

  
(Examiner/SPE Signature)

\_\_\_\_\_  
(Applicant/Applicant's Representative Signature – if appropriate)





Application/Control No. 10/654,164	Applicant(s)/Patent Under Reexamination VAN SICKLE ET AL	
	Examiner Gregory R. Del Cotto	Art Unit 1751

Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,712,239	01-1998	Knowlton et al.	510/372
	B	US-5,674,828	10-1997	Knowlton et al.	510/372
	C	US-6,103,685	08-2000	Hall, Robin Gibson	510/475
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	2323385	09-1998	GB	Hall	—
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
 Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

*Gregory R. Del Cotto*

4/2/04

Art Unit: 1751

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mike Blake on April 1, 2004.

The application has been amended as follows:

#### **The Specification:**

On page 2, delete the first sentence beginning with "The application claims priority..." and insert – This application claims priority under 35 USC 120 to US application 09/870995, now US Patent No. 6,660,712, and priority under 35 USC 119(e) to US Provisional application 60/208502, filed June 2, 2000, which are incorporated herein by reference. --

#### **The Claims:**

In claim 13, line 3, after "acid" insert – composition comprising an effective stabilizing amount of an antioxidant and an amido acid --.

### **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance:

Note that, the Examiner's Amendment is sufficient to place the instant claims in condition for allowance.

Of the references of record, the most pertinent are Knowlton et al (US 5,712,239) or WO 95/07883. Knowlton et al teach a liquid detergent composition comprising 1 to 80% by weight surfactant, a peroxyacid, and 0.01% to 20% by weight of a mono substituted phenolic compound. However, Knowlton et al do not teach the use of the specific amido acid as recited by the instant claims nor the reaction of an antioxidant-stabilized amido acid with a phenyl alcohol salt to form an amido phenyl ester salt as recited by the instant claims.

'883 teaches chemical synthesis of amido acids, and their conversion to amido acid phenyl ester sulfates for use as bleach activators, starting from carboxylic acids and lactams. See Abstract. However, '883 does not teach the use of antioxidants in combination with amido acids to stabilize the amido acids nor the reaction of an antioxidant-stabilized amido acid with a phenyl alcohol salt to form an amido phenyl ester as recited by the instant claims.

None of the references of record, alone or in combination, teach or suggest a process for preparing an amido phenyl ester salt comprising reacting in a reaction vessel an antioxidant-stabilized amido acid composition and a phenyl alcohol salt, under conditions sufficient to form an amido phenyl ester salt, as recited by the instant claims. Accordingly, since the prior art fails to teach or suggest such a process as recited by the instant claims, the instant claims are deemed allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably


Art Unit: 1751

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory R. Del Cotto whose telephone number is (571) 272-1312. The examiner can normally be reached on Mon. thru Fri. from 8:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on (571) 272-1316. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Gregory R. Del Cotto  
Primary Examiner  
Art Unit 1751

GRD  
April 2, 2004

Please type a plus (+) sign in this box →

+

MAR 28 2005

Substitute for form 1449  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Attorney Docket Number	70826
				First Named Inventor	Van Sickle et al.
				COMPLETE IF KNOWN	
				Application Number	09/870,995
				Filing Date	June 02, 2001
				Group Art Unit	1751
Sheet	1	of	2	Examiner Name	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code* (if known)		
ND		4,634,551		Burns et al	1-6-87
ND		4,852,989		Burns et al	8-1-89
ND		5,391,780		Zima et al	2-21-95
ND		5,393,901		Zima et al	2-28-95
ND		5,393,905		Zima et al	2-28-95
ND		5,414,099		Heinzman	5-9-95
ND		5,466,840		Lutz et al	11-14-95
ND		5,523,434		Burns et al	6-4-96
ND		5,534,194		Borland et al	7-9-96
ND		5,534,195		Chapman et al	7-9-96
ND		5,650,527		Lutz et al	7-22-97
ND		5,717,118		Lutz et al	2-10-98

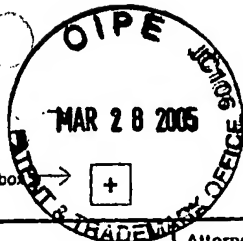
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code* (if known)		
ND		WO	94/18159		The Procter & Gamble Company	8-18-94
ND		WO	95/07882		The Procter & Gamble Company	3-23-95
ND		WO	95/07883		The Procter & Gamble Company	3-23-95
ND		WO	96/16148		The Procter & Gamble Company	5-30-96
ND		WO	99/09004		The Procter & Gamble Company	2-25-99

Examiner Signature		Date Considered	4/2/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	70826		
		First Named Inventor	Van Sickle et al.		
		<b>COMPLETE IF KNOWN</b>			
		Application Number	09/870,995		
		Filing Date	June 02, 2001		
		Group Art Unit	1751		
Sheet	1	of	1	Examiner Name	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
MD		4,468,476		Yang et al	08/28/84
MD		4,681,695		Divo	07/21/87
MD		5,391,783		Colignon et al	02/21/95
MD		5,428,773		Sherry et al	07/04/95
MD		5,534,196		Chapman et al	07/09/96

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
MD		EP	0 402 339 A1		Monsanto Company	12/12/90	
MD		EP	0 415 472 A2		Unilever NV	03/06/91	
MD		EP	0 484 634 A1		Caffaro S.p.A.	05/13/92	
MD		GB	2 249 104 A		BP Chemicals Ltd.	04/29/92	
MD		JP	6-179648		Kao Corporation	06/28/94	✓
MD		JP	6-306042		Kao Corporation	11/01/94	✓
MD		JP	7-228586		Kao Corporation	08/29/95	✓
MD		JP	8-245549		Kao Corporation (Derwent Abstract)	09/24/96	
MD		JP	9-110824		Kao Corporation (Derwent Abstract)	04/28/97	
MD		WO	89/08718		The Dow Chemical Co.	09/21/89	
MD		WO	94/28104		The Procter & Gamble Co.	12/08/94	
MD		WO	97/27280		The Procter & Gamble Co.	07/31/97	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Substitute for form 1449				Attorney Docket Number	70826
				First Named Inventor	Van Sickle et al.
				COMPLETE IF KNOWN	
				Application Number	09/870,995
				Filing Date	June 02, 2001
				Group Art Unit	1751
Sheet	2	of	2	Examiner Name	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>4</sup>
MD		Lock et al, J. Chemical Society (B), (1966) pages 690-696	
MD		Sager, J. Chemical Society (B), (1967), pages 428-439	
EO		Sager, J. Chemical Society (B), (1967), pages 1047-1061	

Examiner Signature		Date Considered	4/2/04
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